

() Denotes dimensions in mm

Ordering Information**Power Head and Suspension: Titanium Finish**

Catalog No.	Lamp	Watts	Volts	Suspension
406U2	CFL Triple Tube	26/32	120/277	Straight Cord
406151	Incandescent A21	150	120	Straight Cord

Reflector/Glass

Catalog No.	Description
416SR	Satin Aluminum Reflector
416WH	White Glass
416BL	Cobalt Blue Glass
416AB	Amber Glass

Features**1. Reflector System:**

Reflector: High purity, 16 gauge aluminum. Exterior satined and anodized. Interior low iridescent comfort clear anodized.

Glass Diffusers: Pressed colored glass with soft etched exterior and matte white interior frit.

2. Power Head Housing: One-piece extruded aluminum.**3. Suspension:** Power Cord, SJT/18-3 (incandescent), SJT/18-5 (Compact Fluorescent) black finish. Canopy, 20 gage, .036 CRS, titanium finish. Can be field shortened.**Lamping (by others)****Incandescent:** 150W, A-21**Compact Fluorescent:** Universal for 4-Pin, 26/32 watt, base: GX24q-3

General Electric	Osram/Sylvania	Philips
(1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F26TBX/*A/4P	CF26DT/E/IN/*	PL-T26W/*4P
(1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F32TBX/*A/4P	CF32DT/E/IN/*	PL-T32W/*4P

* Manufacturers' color temperature designation.

Electrical**Lampholders:****Incandescent:** Medium Based, Porcelain, Nickel-Plated Screw Shell**Compact Fluorescent:** 4-pin, 26/32 watt base: GX24Q-3**Ballast:** Fluorescent: Electronic

	26 Watt		32 Watt	
Voltage	120	277	120	277
Total Input Watts	28	28	36	36
Max. Line Current (Amps)	.25	.11	.30	.09
Ballast Factor	1.02	1.02	1.00	1.00

THD<10%, Minimum Starting Temperature: 0°F

Power Factor >0.98

Labels

cULus listed suitable for damp locations.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Notes:

Lightolier a Genlyte company

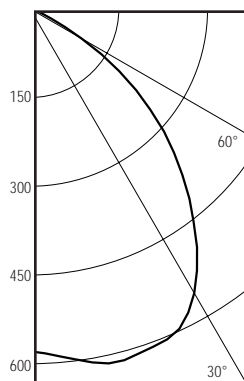
www.lightolier.com

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LIGHTOLIER®

Satin Aluminum Reflector Catalog No. 406U2 / 416SR, 32W CFL, 2400 Lumens.

Report No. 2597FR
SC = 1.3

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	576	
5	587	56
10	605	
15	612	172
20	605	
25	594	271
30	553	
35	489	306
40	416	
45	342	264
50	263	
55	181	162
60	98	
65	37	46
70	14	
75	6	7
80	1	
85	0	0
90	0	

ZONAL LUMENS AND PERCENTAGES

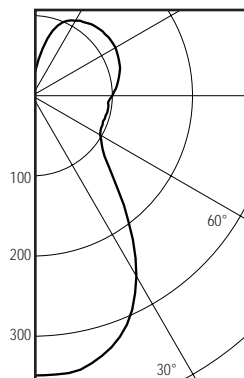
ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	500	20.84	38.92
0-40	806	33.58	62.72
0-60	1231	51.32	95.84
0-90	1285	53.55	100.00
40-90	479	19.96	37.28
60-90	53	2.23	4.16
90-180	0	.00	.00
0-180	1285	53.55	100.00

** EFFICIENCY = 53.5% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.64	.64	.64	.64	.62	.62	.59	.59	.57	.57	.54					
1	.60	.58	.57	.56	.57	.55	.55	.53	.53	.51	.49					
2	.57	.54	.51	.49	.53	.48	.51	.47	.49	.46	.44					
3	.53	.49	.46	.43	.48	.43	.47	.42	.45	.41	.40					
4	.50	.45	.41	.39	.44	.38	.43	.38	.42	.37	.36					
5	.46	.41	.37	.34	.40	.34	.39	.34	.38	.33	.32					
6	.43	.37	.33	.31	.37	.30	.36	.30	.35	.30	.29					
7	.40	.34	.30	.27	.33	.27	.33	.27	.32	.26	.25					
8	.37	.31	.27	.24	.30	.24	.30	.24	.29	.24	.23					
9	.34	.28	.24	.21	.28	.21	.27	.21	.27	.21	.20					
10	.32	.26	.22	.19	.25	.19	.25	.19	.24	.19	.18					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 33.0

White Glass Reflector Catalog No. 406U2 / 416WH, 32W CFL, 2400 Lumens.

Report No. 2636FR
SC = 1.1

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS	ANGLE	MEAN CP	LMS
0	349		90	100	
5	349	33	95	105	114
10	347		100	109	
15	336	95	105	113	119
20	320		110	116	
25	295	135	115	118	117
30	260		120	120	
35	219	138	125	120	107
40	178		130	119	
45	142	112	135	118	91
50	118		140	116	
55	106	96	145	112	70
60	98		150	108	
65	95	95	155	103	47
70	94		160	93	
75	95	101	165	74	20
80	96		170	46	
85	95	105	175	20	2
90	100		180	9	

ZONAL LUMENS AND PERCENTAGES

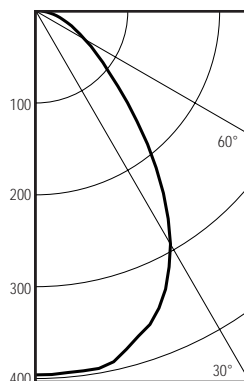
ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	263	10.98	16.47
0-40	401	16.71	25.06
0-60	609	25.39	38.08
0-90	910	37.94	56.90
40-90	509	21.23	31.83
60-90	301	12.55	18.81
90-180	689	28.74	43.10
0-180	1600	66.68	100.00

** EFFICIENCY = 66.7% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.73	.73	.73	.73	.68	.68	.58	.58	.50	.50	.38					
1	.65	.62	.58	.56	.57	.52	.49	.45	.42	.49	.29					
2	.59	.54	.49	.45	.50	.46	.43	.37	.37	.32	.24					
3	.54	.47	.42	.38	.44	.36	.38	.32	.32	.27	.21					
4	.50	.42	.37	.33	.40	.31	.34	.27	.29	.24	.18					
5	.46	.38	.32	.28	.35	.27	.31	.24	.27	.21	.16					
6	.42	.34	.29	.25	.32	.23	.28	.21	.24	.19	.14					
7	.39	.31	.25	.22	.29	.21	.25	.19	.22	.16	.13					
8	.36	.28	.23	.19	.26	.18	.23	.17	.20	.15	.12					
9	.34	.26	.21	.17	.24	.16	.21	.15	.19	.13	.10					
10	.32	.24	.19	.15	.22	.15	.20	.13	.17	.12	.09					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 31.0

Amber Glass Reflector Catalog No. 406U2 / 416AB, 32W CFL, 2400 Lumens.

Report No. 2635FR
SC = 1.1

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS	ANGLE	MEAN CP	LMS
0	396		90	7	
5	395	38	95	7	8
10	395		100	8	
15	381	108	105	8	9
20	363		110	9	
25	334	153	115	9	9
30	293		120	9	
35	242	152	125	9	8
40	189		130	9	
45	141	111	135	9	7
50	104		140	8	
55	80	73	145	8	5
60	61		150	7	
65	47	48	155	7	3
70	36		160	6	
75	27	29	165	5	1
80	19		170	3	
85	12	14	175	1	0
90	7		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	298	12.44	38.54
0-40	450	18.76	58.14
0-60	634	26.44	81.94
0-90	724	30.19	93.56
40-90	274	11.43	35.42
60-90	90	3.75	11.63
90-180	49	2.08	6.44
0-180	774	32.27	100.00

** EFFICIENCY = 32.3% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.38	.38	.38	.38	.37	.37	.35	.35	.33	.33	.30					
1	.35	.34	.33	.32	.33	.31	.32	.30	.30	.29	.27					
2	.33	.31	.29	.28	.30	.27	.29	.26	.28	.26	.24					
3	.31	.28	.26	.24	.27	.24	.26	.23	.25	.23	.21					
4	.29	.26	.24	.22	.25	.22	.24	.21	.23	.21	.19					
5	.27	.24	.21	.19	.23	.19	.22	.19	.21	.18	.18					
6	.25	.22	.19	.18	.21	.17	.20	.17	.20	.17	.16					
7	.23	.20	.17	.16	.19	.16	.19	.15	.18	.15	.14					
8	.22	.18	.16	.14	.18	.14	.17	.14	.17	.14	.13					
9	.20	.17	.14	.13	.16	.13	.16	.13	.15	.12	.12					
10	.19	.15	.13	.12	.15	.12	.15	.11	.14	.11	.11					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 31.0

Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

For 26W Lamp, multiply calculated Footcandle values by .75

Job Information

Type:

Lightolier a Genlyte company

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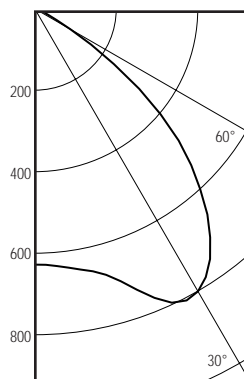
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LIGHTOLIER

Satin Aluminum Reflector Catalog No. 406151 / 416SR, 150W A-20, 2780 Lumens.



Report No. 2594FR
SC = 1.5

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	628	
5	634	61
10	650	
15	676	194
20	734	
25	796	362
30	801	
35	750	465
40	659	
45	543	416
50	403	
55	237	220
60	101	
65	39	49
70	19	
75	9	10
80	3	
85	0	1
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	616	22.18	34.70
0-40	1081	38.89	60.85
0-60	1716	61.75	96.61
0-90	1776	63.92	100.00
40-90	695	25.02	39.15
60-90	60	2.17	3.39
90-180	0	.00	.00
0-180	1776	63.92	100.00

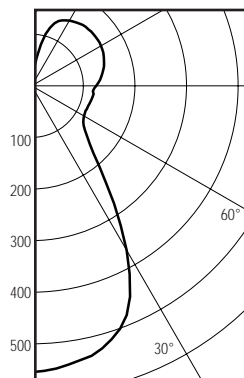
** EFFICIENCY = 63.9% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.76	.76	.76	.76	.74	.74	.71	.71	.68	.68	.64					
1	.72	.70	.68	.66	.68	.65	.66	.63	.63	.61	.58					
2	.67	.64	.61	.58	.63	.57	.60	.56	.59	.55	.53					
3	.63	.58	.54	.51	.57	.51	.55	.50	.54	.49	.47					
4	.59	.53	.49	.45	.52	.45	.51	.44	.49	.44	.42					
5	.55	.48	.43	.40	.47	.40	.46	.39	.45	.39	.38					
6	.51	.44	.39	.35	.43	.35	.42	.35	.41	.35	.33					
7	.47	.39	.34	.31	.39	.31	.38	.31	.37	.30	.29					
8	.43	.35	.31	.27	.35	.27	.34	.27	.33	.27	.26					
9	.40	.32	.27	.24	.32	.24	.31	.24	.30	.24	.22					
10	.37	.29	.24	.21	.29	.21	.28	.21	.27	.21	.20					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 150.0

White Glass Reflector Catalog No. 406151 / 416WH, 150W A-21, 2780 Lumens.



Report No. 2640FR
SC = 1.0

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	555	
5	550	52
10	540	
15	527	148
20	501	
25	451	205
30	368	
35	278	177
40	204	
45	159	127
50	135	
55	122	111
60	117	
65	115	115
70	116	
75	118	125
80	120	
85	119	132
90	125	

ANGLE	MEAN CP	LMS
90	125	
95	133	144
100	139	
105	145	153
110	149	
115	153	151
120	155	
125	156	140
130	156	
135	155	120
140	154	
145	150	94
150	146	
155	140	64
160	129	
165	104	28
170	56	
175	14	2
180	2	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	405	14.59	19.42
0-40	582	20.96	27.90
0-60	821	29.53	39.31
0-90	1192	42.89	57.09
40-90	609	21.93	29.18
60-90	371	13.36	17.78
90-180	896	32.24	42.91
0-180	2088	75.13	100.00

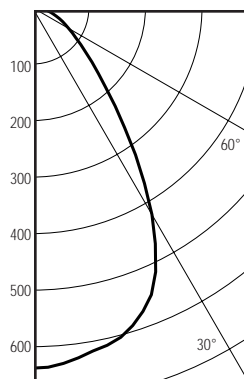
** EFFICIENCY = 75.1% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.82	.82	.82	.82	.76	.76	.66	.66	.56	.56	.43					
1	.74	.70	.66	.63	.65	.59	.56	.52	.47	.44	.34					
2	.67	.61	.56	.52	.57	.49	.49	.43	.42	.37	.28					
3	.61	.54	.48	.44	.50	.41	.44	.37	.38	.32	.25					
4	.57	.49	.43	.38	.46	.36	.40	.32	.34	.28	.22					
5	.53	.44	.38	.33	.41	.32	.36	.28	.31	.25	.20					
6	.49	.40	.34	.29	.37	.28	.33	.25	.29	.23	.18					
7	.45	.36	.30	.26	.34	.25	.30	.23	.26	.20	.16					
8	.42	.33	.27	.23	.31	.22	.28	.20	.24	.18	.15					
9	.39	.30	.25	.21	.29	.20	.25	.18	.22	.17	.13					
10	.37	.28	.23	.19	.26	.18	.24	.17	.21	.15	.12					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 150.0

Amber Glass Reflector Catalog No. 406151 / 416AB, 150W A-21, 2780 Lumens.



Report No. 2639FR
SC = 1.0

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS
0	638	
5	632	60
10	617	
15	604	170
20	572	
25	516	235
30	423	
35	318	202
40	228	
45	165	132
50	123	
55	94	87
60	74	
65	59	59
70	45	
75	34	36
80	24	
85	15	17
90	9	

ANGLE	MEAN CP	LMS
90	9	
95	10	10
100	10	
105	11	12
110	11	
115	12	12
120	12	
125	12	11
130	12	
135	12	9
140	11	
145	11	7
150	10	
155	10	4
160	9	
165	7	2
170	3	
175	0	0
180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	464	16.71	43.65
0-40	666	23.97	62.63
0-60	885	31.84	83.18
0-90	997	35.88	93.74
40-90	331	11.91	31.11
60-90	112	4.04	10.57
90-180	66	2.39	6.26
0-180	1064	38.27	100.00

** EFFICIENCY = 38.3% **

COEFFICIENTS OF UTILIZATION

Ceiling	80%				70%				50%				30%			
Wall	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Reflectance = 20%															
0	.45	.45	.45	.45	.44	.44	.41	.41	.39	.39	.36					
1	.42	.41	.40	.38	.40	.38	.38	.36	.36	.34	.32					
2	.39	.37	.35	.34	.36	.33	.35	.32	.33	.31	.29					
3	.37	.34	.32	.30	.33	.29	.32	.29	.31	.28	.26					
4	.35	.31	.29	.27	.31	.26	.29	.26	.28	.25	.24					
5	.33	.29	.26	.24	.28	.24	.27	.23	.26	.23	.22					
6	.31	.27	.24	.22	.26	.22	.25	.21	.24	.21	.20					
7	.29	.24	.22	.20	.24	.20	.23	.19	.23	.19	.18					
8	.27	.23	.20	.18	.22	.18	.22	.18	.21	.18	.17					
9	.25	.21	.18	.17	.21	.17	.20	.16	.20	.16	.15					
10	.24	.20	.17	.15	.19	.15	.19	.15	.18	.15	.14					

Determined In Accordance With Current IES Published Procedures
Luminaire Input Watts = 150.0

Notes: Amber Glass and Cobalt Blue Glass have the same Photometrics.

Job Information

Type:

Lightolier a Genlyte company

www.lightolier.com

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